

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
LOMASR.026CP1APPLICATION NO.
10/803,267INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANTS
Paul Denney et al.FILING DATE
March 18, 2004GROUP
Unknown 2877

(USE SEVERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
FLE	1	3,871,485	03/18/75	Keenan, Jr.			
	2	4,227,582	10/14/80	Price			
	3	4,568,814	02/04/86	Hamasaki et al.			
	4	5,554,335	09/10/96	Flelds et al.			
	5	5,592,283	01/07/97	Flesher et al.			
	6	5,657,595	08/19/97	Fyfe et al.			
	7	5,664,389	09/09/97	Williams			
	8	5,782,043	07/21/98	Duncan et al.			
	9	5,920,938	07/13/99	Elcock et al.			
	10	5,986,234	11/16/99	Matthews et al.			
	11	6,056,827	05/02/00	Fukui et al.			
	12	6,064,034	05/16/00	Rieck			
	13	6,114,676	09/05/00	Jerby et al.			
	14	6,288,362 B2	09/11/01	Thomas et al.			
	15	6,288,363 B1	09/11/01	Kaga et al.			
	16	6,417,487 B2	07/09/02	Nagura et al.			
	17	6,507,000 B2	01/14/03	Otsubo et al.			
	18	6,521,864 B2	02/18/03	Bertez et al.			
	19	6,614,002 B2	09/02/03	Weber			
	20	6,649,866 B2	11/18/03	Reichmann et al.			
	21	2003/0132210 A1	07/17/03	Fujii et al.			
	22	2003/0183608 A1	10/02/03	Yamazaki et al.			
FLE	23	2003/0222062 A1	12/04/03	Brown et al.			

EXAMINER

/F. L. Evans/

DATE CONSIDERED

08/05/2006

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. LOMASR.028CP1	APPLICATION NO. 10/803,287
	APPLICANTS Paul Denney et al.	
	FILING DATE March 18, 2004	GROUP Unknown 2877

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
FLE	24	WO 00/37208	12/12/99	Patent Cooperation Treaty (PCT)				
	25	WO 03/028941 A1	04/10/03	PCT				
	26	WO 03/028943 A1	04/10/03	PCT				
	27	WO 03/061895 A1	07/31/03	PCT				
	28	JP 62179884 A	08/07/87	Japan				
	29	JP 63157778 A	06/30/88	Japan				
	30	JP 63157780 A	06/30/88	Japan				
	31	JP 03081080 A	04/05/91	Japan				
	32	JP 04316000 A	11/06/92	Japan				
	33	JP 10331434 A	12/15/98	Japan				
FLE	34	JP 11019785 A	01/26/99	Japan				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
FLE	35	PCT International Search Report dated September 23, 2003 in 5 pages.
FLE	36	"Study on Laser Cutting of Concrete," Hiroshi Yoshizawa, Sivakumaran Wignarajeh, and Hideaki Saito, <u>Transactions of the Japan Welding Society</u> , Vol. 20, No. 1, April 1989, pp. 31-36.

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
LOMASR.026CP1APPLICATION NO.
10/803,287SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANTS
Paul E. Denney et al.FILING DATE
March 18, 2004GROUP
2877

BEC 2 3 2004 988 SEVERAL SHEETS IF NECESSARY)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
FLE	1	5,026,966	06/25/91	Roth			
	2	5,034,010	07/23/91	Kittrell et al.			
	3	5,085,026	02/04/92	McGill et al.			
	4	5,107,516	04/21/92	Dressel et al.			
	5	5,148,446	09/15/92	Radich			
	6	5,256,852	10/26/93	Boudot			
	7	5,977,515	11/02/99	Uraki et al.			
	8	6,191,382 B1	02/20/01	Damikolas			
	9	6,664,495 B2	12/16/03	Yamaguchi et al.			
	10	6,664,504 B2	12/16/03	Bertez			
	11	6,667,458 B1	12/23/03	Sirat			
	12	6,670,571 B2	12/30/03	Dance			
	13	6,670,575 B1	12/30/03	Wrba et al.			
	14	6,683,277 B1	01/27/04	Millard et al.			
	15	6,693,256 B2	02/17/04	Furujo et al.			
	16	6,720,567 B2	04/13/04	Fordahl et al.			
	17	6,777,646 B2	08/17/04	Schubert			
	18	6,791,061 B2	09/14/04	Fujil et al.			
FLE	19	6,797,919 B1	09/28/04	Millard et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
FLE	20	EP 0 521 194 A	01/07/93	Europe				
	21	EP 0 540 745 A	05/12/93	Europe				
	22	EP 1 189 241 A1	03/20/02	Europe				
FLE	23	JP 59087992 A2	09/11/84	Japan (Abstract)				

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DATE CONSIDERED

08/05/2006

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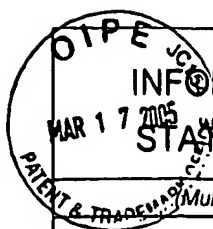
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. LOMASR.026CP1	APPLICATION NO. 10/803,267
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)		APPLICANTS Paul E. Denney et al.	
		FILING DATE March 18, 2004	GROUP 2877

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
FLE	24	JP 59-87992	09/11/84	Japan (Patent)				
	25	JP 09242453	09/16/97	Japan (Abstract)				
	26	JP 9-242453	09/16/97	Japan (Patent)				
	27	PCT/US2004/008219	03/18/04	PCT Int'l Search Report mailed 09/21/2004				
	28	PCT/US2004/008070	03/18/04	PCT Int'l Search Report dated 08/20/2004				
	29	PCT/US2004/008229	07/27/89	PCT Int'l Search Report dated 10/26/2004				
	30	PCT/US2004/008314	03/18/04	PCT Int'l Search Report dated 05/08/2004				
	31	PCT/US2004/008312	03/18/04	PCT Int'l Search Report mailed 09/21/2004				
	FLE	32	WO 89/06519 A	07/27/89		(WIPO) PCT Application		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
FLE	33	RÜMENAPP, T., ET AL., "Laser Beam Cutting of Concrete," <u>Key Engineering Materials</u> , Fraunhofer Institute Material and Beam Technology Dresden, D-01277 Dresden, Germany, Vol. 250, 2003, pp. 257-261.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/803,267
Filing Date	March 18, 2004
First Named Inventor	Paul E. Denney
Art Unit	2877
Examiner	Zandra V. Smith
Attorney Docket No.	LOMASR.026CP1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
FLE		PCT/US2004/008312 ISR dated 09/02/04	03/18/2004	Loma Linda University Medical Center		
FLE		PCT/US2004/008219 ISR dated 12/06/04	03/18/2004	Loma Linda University Medical Center		

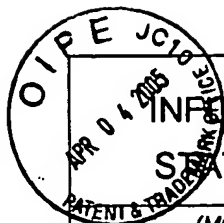
NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹

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Examiner Signature	/F. L. Evans/	Date Considered	08/05/2006
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 OF 1

Application No.	10/803,267
Filing Date	March 18, 2004
First Named Inventor	Paul E. Denney
Art Unit	2877
Examiner	Zandra V. Smith
Attorney Docket No.	LOMASR.026CP1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
FLE	1	10/690,983	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.021A)	
FLE	2	10/690,833	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.023A)	
FLE	3	10/690,975	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.024A)	
FLE	4	10/691,481	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.025A)	
FLE	5	10/691,444	10/22/2003	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.026A)	
FLE	6	10/803,272	03/18/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.021CP1)	
FLE	7	10/803,243	03/18/2004	Copending related specification, Filing Receipt, and drawings (Atty. Docket No. LOMASR.023CP1)	
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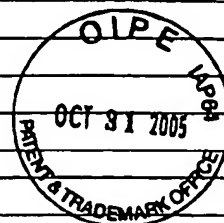
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	9					
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Examiner Signature	/F. L. Evans/	Date Considered	08/05/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/803,267
	Filing Date	March 18, 2004
	First Named Inventor	Paul E. Denney
	Art Unit	2877
(Multiple sheets used when necessary)	Examiner	Layla G. Lauchman
SHEET 1 OF 1	Attorney Docket No.	LOMASR.026CP1



U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
FLE	1	3,569,660	03/09/1971	Houldcroft et al.	
	2	4,151,393	04/24/1979	Fenneman et al.	
	3	4,675,501	06/23/1987	Klingel	
	4	4,896,015	01/23/1990	Taboada et al.	
	5	5,780,806	07/14/1998	Ferguson et al.	
	6	6,201,214 B1	03/13/2001	Duffin	
	7	6,215,094 B1	04/10/2001	Dausinger et al.	
	8	6,350,326 B1	02/26/2002	McCay et al.	
	9	6,693,255 B2	02/17/2004	Freiwald et al.	
FLE	10	6,875,951 B2	04/05/2005	Sakamoto et al.	

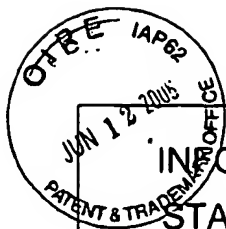
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
FLE	11	JP 7-269130 (Patent)	10/17/1995	Taisei Corp.		
FLE	12	JP 07269130 A (Abstract)	10/17/1995	Taisei Corp.		
FLE	13	JP 63-224891 (Patent)	09/19/1988	Fujita Corp Kogyo Kaihatsu Kenkyusho		
FLE	14	JP 63224891 A (Abstract)	09/19/1988	Fujita Corp Kogyo Kaihatsu Kenkyusho		

NON PATENT LITERATURE DOCUMENTS			
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	Application No.	10/803,267
	Filing Date	March 18, 2004
	First Named Inventor	Paul E. Denney
	Art Unit	2877
(Multiple sheets used when necessary)	Examiner	Layla G. Lauchman
SHEET 1 OF 1	Attorney Docket No.	LOMASR.026CPI

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
FLE	1	4,060,327	11/29/1977	Jacobowitz et al.	
	2	5,847,825	12/08/1998	Alexander	
	3	6,147,754	11/14/2000	Therault et al.	
	4	6,664,504 B2	12/16/2003	Bertez	
	5	6,667,458 B1	12/23/2003	Sirat	
	6	7,038,166 B2	05/02/2006	Denney et al. (Atty. Docket No. LOMASR.024A)	
	7	2004/0182840 A1	09/23/2004	Denney et al. (Atty. Docket No. LOMASR.021A)	
	8	2004/0182841 A1	09/23/2004	Denney et al. (Atty. Docket No. LOMASR.025A)	
	9	2004/0182842 A1	09/23/2004	Denney et al. (Atty. Docket No. LOMASR.023CP1)	
	10	2004/0182998 A1	09/23/2004	Denney et al. (Atty. Docket No. LOMASR.026A)	
	11	2004/0208212 A1	10/21/2004	Denney et al. (Atty. Docket No. LOMASR.021CP1)	
	12	2004/0040150 A1	02/24/2005	Denney et al. (Atty. Docket No. LOMASR.023A)	
FLE	13	2006/0065650 A1	03/30/2006	Guo	

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FLE	14	EP 1 236 535 A2	09/04/2002	Comau S.p.A.		
FLE	15	JP 2002-5899 (Patent & Abstract)	01/09/2002	Shibuya Kogyo Co Ltd.		
FLE	16	JP 2002-296183 (Patent & Abstract)	10/09/2002	Kajima Corp.		
FLE	17	PCT/US2005/029027 (ISR dated 01/26/2006)	08/16/2004	Loma Linda University Medical Center (Atty. Docket No. LOMASR.021QPC)		

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